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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,654	01/21/2004	Hidema Tanaka	43521-1700	5290
	7590 06/20/200 MER LLP (OC)	EXAMINER		
600 ANTON BOULEVARD SUITE 1400 COSTA MESA, CA 92626			KIM, JUNG W	
			ART UNIT	PAPER NUMBER
	,	·	2132	•
			MAIL DATE	DELIVERY MODE
		·	06/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/762,654	TANAKA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jung Kim	2132				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
<u></u>	· -					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) <u>1-9</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ⊠ Claim(s) <u>1-8</u> is/are allowed. 6) ⊠ Claim(s) <u>9</u> is/are rejected.	vn from consideration.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the l drawing(s) be held in abeyance. Sec ion is required if the dráwing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date see enclosed.	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

1. Claims 1-9 are pending.

Information Disclosure Statement

2. The IDS submitted on 4/16/04 has been considered. An initialed copy is enclosed.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claim 9 is rejected under 35 U.S.C. 102(e) as being anticipated by Ene-Pietrosanu et al. US Patent Application Publication No. 20050235342 (hereinafter Ene-Pietrosanu).
- 5. As per claim 9, Ene-Pietrosanu discloses a weak key detector used along with an encryption apparatus having a key schedule part for calculating an extended key from a user key for detecting a weak key that is one kind of a user key to lower difficulty in

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decrypting ciphertext obtained by the encryption apparatus (Paragraph 50 and 51: "weak keys and strong keys ..." "acceptable/unacceptable seed type/size parameters"; paragraphs 61 and 66), the weak key detector comprising: a weak key information storing part for storing segment bit patterns of the user key and the extended key forming a weak key condition satisfied by the weak key as weak key information (fig. 5, reference no. 502; fig. 8, reference no. 802); and a determining part for accepting a user key to determine whether the user key is a weak key based on the weak key information (fig. 5, reference no. 506, 512; fig. 8, reference no. 804), wherein the determining part includes: a key schedule part for calculating the extended key from the user key, as similar to that provided for the encryption apparatus, and a determining part main body for determining whether the user key and the extended key satisfy the weak key condition to output a detection signal indicating a result. (fig. 5, reference no. 508, 514, 516; fig. 8, reference nos. 806, 808 and 810)

Allowable Subject Matter

6. Claims 1-8 are allowed.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See enclosed PTO-892.

Communications Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jung W. Kim whose telephone number is 571-272-3804. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jung Kim Examiner AU 2132 June 13, 2007

Benjamin E. Lanter Bu 2132